

E02 Series (2.4mm Male-ST to 2.4mm Male-ST)

.086 Semi-rigid Cable Assembly, 50ohms, DC-50GHz



E02-392-392-"L" (L: Length)

Maximum Ratings

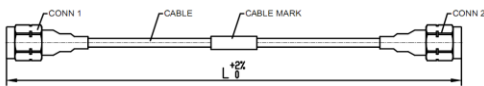
Operating Temperature -55°C to +125°C

Storage Temperature -55°C to +125°C

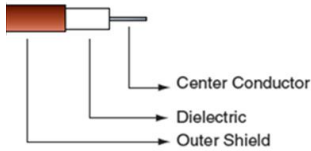
Permanent damage may occur if any of these limits are exceeded

Outer Diameter	2.2 mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>120dB	
Power Handling at 40°C	6 GHz	52W
	12GHz	37W
	18 GHz	29W
	26.5 GHz	22W
	40 GHz	18W
50 GHz	11W	
Min. Bending Radius	0.13" (3.2mm)	

Outline Drawing



Cable Construction



Cable Construction	
Inner Conductor	Solid SPC
Dielectric	PTFE
Outer Conductor	Tin or Ternary Alloy Plated Copper

Connectors	
• Nut, Stainless steel, Passivated	
• Body, Stainless steel, Passivated	
• Center contacts, Berillium, Gold plated	
• Dielectric, PEI	

Product Guarantee*

Micable will repair or replace your cable assembly if it fails within six months after shipment. This guarantee excludes product damage from misuse or abuse

Features

- Movable connector nut for quick installation and avoiding center contact from damage
- No wrinkle on the surface after bent
- Frequency DC-50GHz
- Excellent return loss
- High shielding effectiveness > 120 dB
- Low loss: cable insertion loss <6.1dB/m@50GHz
- 3-D bending without MOQ
- Phase-matching available for group

Applications

- Modules connection in receivers and transmitters
- Panel mounting
- Test equipment
- Military and commercial systems

Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 18		18-26.5		26.5-40		40-50		DC - 18		18-26.5		26.5-40		40-50	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-40	0.1	0.6	0.8	0.8	1.0	0.9	1.1	1.0	1.3	1.14	1.25	1.22	1.30	1.25	1.30	1.35	1.40
	0.2	1.0	1.2	1.2	1.4	1.3	1.6	1.6	1.9								
	0.3	1.2	1.5	1.6	1.8	1.8	2.1	2.1	2.5								

Typical Performance Data (E02-392-392-0.3M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.05
1000	1.03	0.31
2000	1.04	0.39
3000	1.05	0.46
5000	1.06	0.60
6000	1.09	0.65
8000	1.10	0.84
10000	1.11	0.98
12000	1.12	1.09
18000	1.14	1.32
26500	1.22	1.63
40000	1.25	1.81
50000	1.35	2.12

